

Maryland Historical Trust

Maryland Inventory of Historic Properties Number: M:23-133

Name: Griffith Edover Howlings Lever

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridged received the following determination of eligibly.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended <input checked="" type="checkbox"/> X	Eligibility Not Recommended _____
Criteria: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None	
Comments: _____ _____ _____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

Maryland Inventory of Historic Properties
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

MHT Number M: 23-133

SHA Bridge No. M 120 Name: Griffith Road over Hawlings River

Location:

Street/Road Name and Number: Griffith Road

City/Town: Brookville Vicinity X

County: Montgomery

Ownership: State X County Municipal Other

This bridge projects over: Road Railway X Water Land

Is the bridge located within a designated district: yes X no

NR listed district NR determined eligible district

locally designated other

Name of District

Bridge Type:

Timber Bridge

Beam Bridge Truss-Covered Trestle

Timber-and-Concrete

Stone Arch

Metal Truss

Movable Bridge

Swing Bascule Single Leaf Bascule Multiple Leaf

Vertical Lift Retractable Pontoon

Metal Girder

Rolled Girder Rolled Girder Concrete Encased

Plate Girder Plate Girder Concrete Encased

Metal Suspension

Metal Arch

Metal Cantilever

X Concrete

X Concrete Arch Concrete Slab Concrete Beam

Rigid Frame

Other Type Name _____

Describe Setting:

Bridge M 120 carries Griffith Road over Hawlings River in Montgomery County. Griffith Road runs east-west over the north branch of the Hawlings River. The area immediately adjacent to the bridge has little residential development.

Describe Superstructure and Substructure:

Bridge M 120 is a single span filled concrete arch bridge. The length of the bridge is 25 feet 4 inches with a clear span of 23 feet 3 inches. The bridge has a rise of approximately 5 feet 7 inches from springline to the crown. The rise to run ratio is 28 percent. The spandrel walls are approximately 4 feet by 12 feet. The wingwalls are approximately 5 feet by 4 feet. There is a clear roadway width of 15 feet, with an overall bridge width of 17 feet 4 inches. The spandrel walls have moderate deterioration and small areas of patching. According to a 1997 inspection report the bridge is in satisfactory condition with a sufficiency rating of 54.4.

The builders used a closed parapet design that consists of vertical posts securely fastened by dowels to the structure, horizontal rails, and solid panels that fill the space between posts and the railings. The panels may be precast, and the posts and rails were built in place. The precast panels are separated by solid paneled expansion joints. A 4-inch by 6-inch ledge extends the length of the parapets on the exterior of the bridge. The parapet wall is 20 feet with 4 incised panels within the wall. Each incision is 4 feet by 1 foot.

Discuss Major Alterations:

No alteration have been made to this structure.

When Built: circa 1920

Why Built: Improvement of lateral corridors

Who Built: Unknown

Who Designed: Unknown

Why Altered: N/A

Was this bridge built as part of an organized bridge building campaign?

No, this bridge was not built during an organized bridge building campaign.

Surveyor Analysis:

This bridge may have NR significance for association with:

☒ **A Events** ☐ **Person**

☒ **C Engineering/Architectural**

This bridge was determined eligible by the Interagency Review Committee in March 1996.

Was this bridge constructed in response to significant events in Maryland or local history?

In 1920 the Maryland State Legislature enacted the "Lateral and Post Roads Loan of 1920." The act that created this loan provided that the proceeds were to be used for the construction of rural post roads, lateral roads and the extension of the State Roads System, with the assistance of funds from the federal government and several counties in the State. Half of the loan was used for the purpose construction of lateral roads. This money was apportioned to the counties on the basis of actual road mileage. The counties then matched the State's money with bond issues, special assessments, or other revenue.

Is the bridge located in an area that may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?

No, this bridge is not located in an area that is eligible for historic designation.

Is the bridge a significant example of its type?

Yes, this bridge is a significant example of its type. The bridge has a low rise to run ratio which is characteristic of the Luten style of construction. However the bridge can not officially be attributed to Luten.

Does the bridge retain integrity of the important elements described in the Context Addendum?

This bridge retains integrity of all of the character defining elements of a concrete arch.

Should this bridge be given further study before significance analysis is made and why?

No this bridge should not be given further study.

Bibliography:

County inspection/bridge files _____ X _____ SHA inspection/bridge files _____

Other (list):

Surveyor:

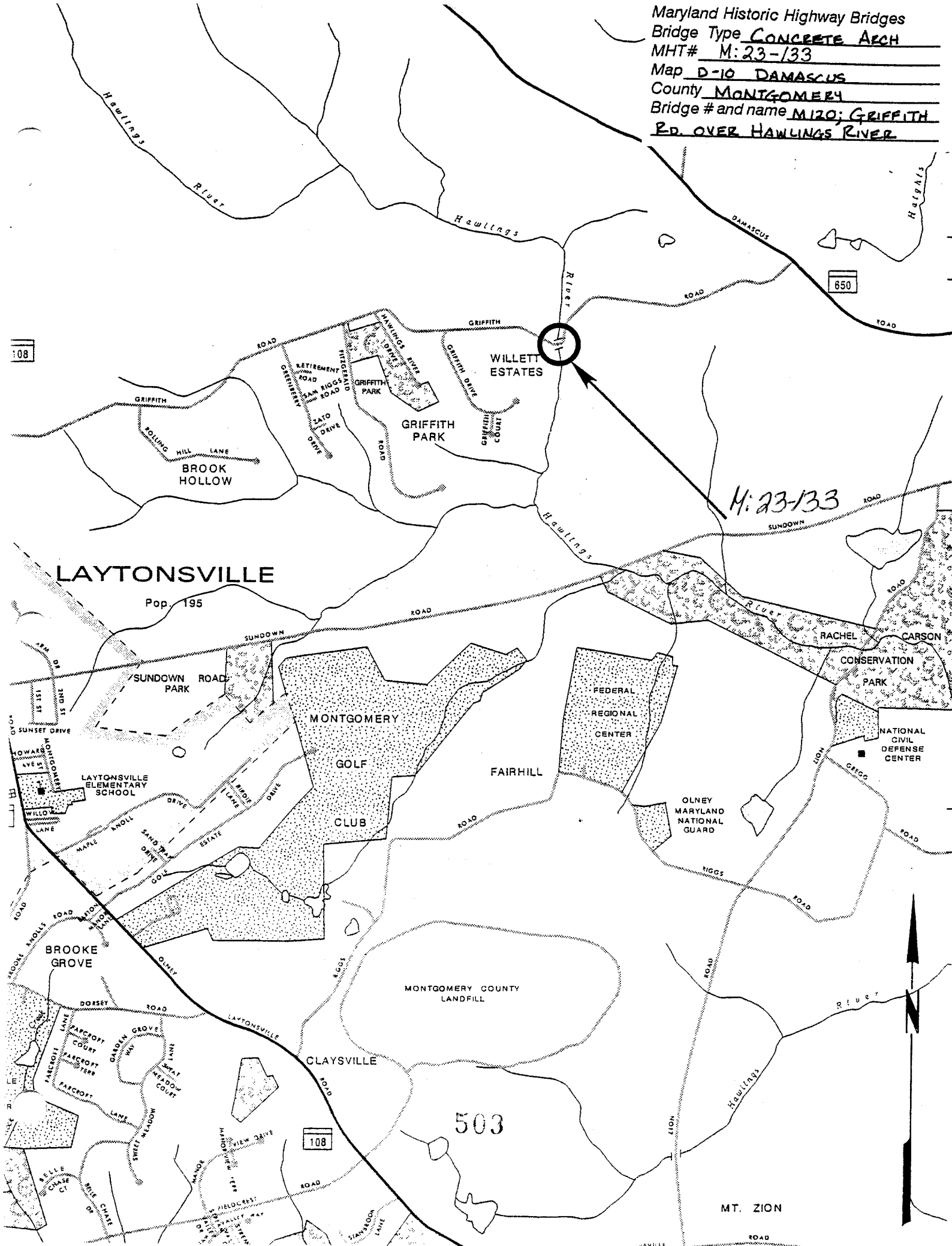
Name: Stacie Y. Webb **Date:** March 1996

Organization: State Highway Admin. **Telephone:** (410) 545-8559

Address: 707 N. Calvert Street, Baltimore, Maryland

Edited by P.A.C. Spero & Company, December 1997

Bridge # and name M120; GRIFFITH
RD. OVER HAWLINGS RIVER





WEIGHT
LIMIT
19
TONS

Inventory # M: 23-133

Name M/20-GRIFFITHRD OVER HAWLING RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH WEST

Number 1 of 4
~~7~~ of ~~23~~



Inventory # M:23-133

Name MIZO - GRIFFITH RD OVER HAWKINS RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK J. J. J. J.

Date 2/95

Location of Negative SHA

Description ELEVATION SOUTH

Number 2 of 9



Inventory # M: 23-133

Name M120 - GRIFFITH RD OVER HAWKINS RIVER

County/State MONTGOMERY / MD

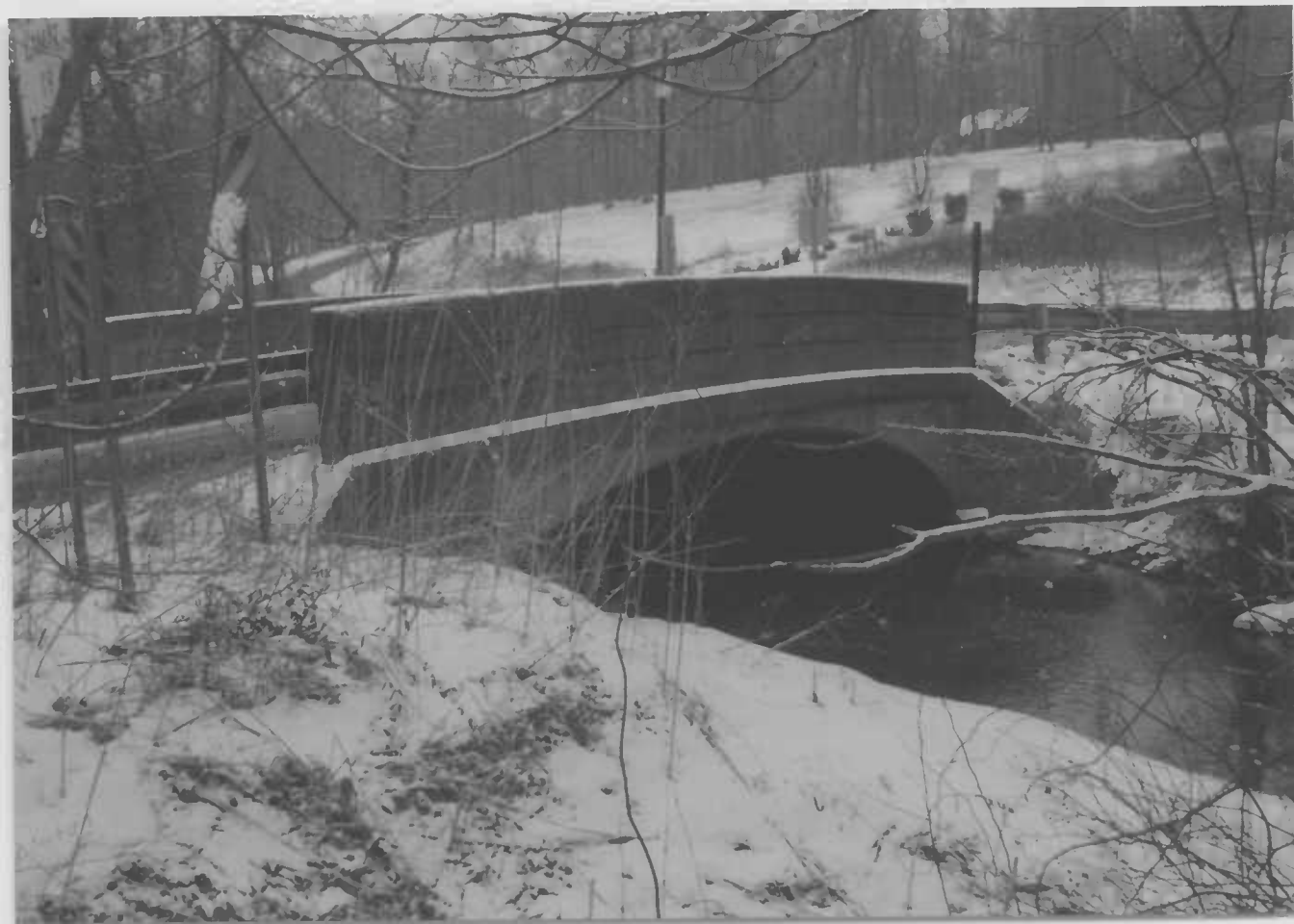
Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHN

Description APPROACH EAST

Number ³7 of ⁴33



Inventory # M.23-133

Name M120 - GRIFFITH RD over HAWKINS RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHD

Description ELEVATION NORTH

Number 4 of 4